

SEQUENCE LISTING

<110> HELLMAN, Jukka
 KÄKÖNEN, Sanna-Maria
 KARP, Matti
 LÖVGREN, Timo
 VÄÄNÄNEN, Kalervo
 PETTERSSON, Kim

<120> Isolated osteocalcin fragments

<130> Isolated osteocalcin fragments

<140> US 09/462,931
 <141> 2000-01-18

<150> PCT/FI98/00550
 <151> 1998-06-24

<150> FI 973371
 <151> 1997-08-15

<160> 4

<170> PatentIn Ver. 2.1

<210> 1
 <211> 160
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (1)..(147)

<400> 1
 tac ctg tat caa tgg ctg gga gcc cca gtc ccc tac ccg gat ccc ctg 48
 Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
 1 5 10 15

gag ccc agg agg gag gtg tgt gag ctc aat ccg gac tgt gac gag ttg 96
 Glu Pro Arg Arg Glu Val Cys Glu Leu Asn Pro Asp Cys Asp Glu Leu
 20 25 30

gct gac cac atc ggc ttt cag gag gcc tat cgg cgc ttc tac ggc ccg 144
 Ala Asp His Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro
 35 40 45

gtc taactgcaga tgc 160
 Val

<210> 2
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> peptide
 <222> (1)..(49)
 <223> Glu at residues 17, 21 and 24 may be gamma-carboxy-Glu

<400> 2
 Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu

1 5 10 15
Glu Pro Arg Arg Glu Val Cys Glu Leu Asn Pro Asp Cys Asp Glu Leu
20 25 30
Ala Asp His Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro
35 40 45
Val

<210> 3
<211> 45
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (1)...(33)

<400> 3
atc gaa ggt cgt ggg atc ccc ggg aat tca tcg tgactgactg ac 45
Ile Glu Gly Arg Gly Ile Pro Gly Asn Ser Ser
1 5 10

<210> 4
<211> 11
<212> PRT
<213> Homo sapiens

<400> 4
Ile Glu Gly Arg Gly Ile Pro Gly Asn Ser Ser
1 5 10